

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A receiving apparatus for receiving a broadcasting wave which includes a digital video signal, a digital audio signal, and service information, said service information indicating at least a channel number, a transmission broadcasting station name, and a broadcast target area said receiving apparatus comprises:

a reception determining means for determining whether said broadcasting wave can be received in a predetermined region by receiving a reception signal from each channel while changing said channel number and making said determination for the reception signal received from each channel;

a registration means for extracting said service information added to the broadcasting wave which is determined to be able to be received by said reception determining means, and for registering said service information, as preset information, into one preset group; and

a channel selecting means for selecting said broadcasting wave according to the preset information registered into said preset group.

wherein the service information includes a selection button number and the registration means registers names of transmission broadcasting stations and a broadcast target area for these transmission broadcasting stations where the broadcasting stations having the same selection button number are associated into a corresponding preset group.

2. (Cancelled)

3. (Currently Amended) The receiving apparatus according to Claim [[2]] 1, wherein said apparatus comprises a display control means for displaying a preset group list showing a list of preset groups, as well as broadcast target areas, and for, when a preset group is selected from this preset group list, displaying a preset group screen in which a plurality of broadcasting stations included in preset information associated with the selected preset group are associated with a plurality of selection

button numbers, respectively.

4. (Previously Presented) The receiving apparatus according to Claim 3, wherein when a selection button number is input, the channel selection means selects a channel number according to the input selection button number and a preset group number indicating the preset group and displayed on the preset group screen so as to select a broadcasting wave.

5. (Previously Presented) The receiving apparatus according to Claim 1, wherein said apparatus has a searching means for searching for a preset group to which a broadcasting wave having a same broadcast target area as a broadcasting wave which said receiving apparatus is currently receiving belongs, and the registration means registers, as preset information, service information added to the broadcasting wave which said receiving apparatus is currently receiving into the preset group to which a broadcasting wave having the same broadcast target area as the broadcasting wave which said receiving apparatus is currently receiving belongs.

6. (Previously Presented) The receiving apparatus according to Claim 1, wherein said apparatus has a searching means for searching for a preset group to which a broadcasting wave having a same transmission broadcasting station name as a broadcasting wave which said receiving apparatus is currently receiving belongs, and, when said searching means determines that there exists a preset group to which a broadcasting wave having a same transmission broadcasting station name as the broadcasting wave which said receiving apparatus is currently receiving belongs, the channel selection means selects a broadcasting wave according to said preset group.

7. (Currently Amended) A method for receiving a broadcasting wave which includes a digital video signal, a digital audio signal, service information, said service information indicating at least a channel number, a transmission broadcasting station name, and a broadcast target area, comprising:

determining whether said broadcasting wave can be received in a predetermined region by receiving a reception signal from each channel while changing said channel number and making said determination for the reception signal received from each channel;

extracting said service information added to the broadcasting wave which is determined to be able to be received by said reception determining means, and for registering said service information, as preset information, into one preset group; and

selecting said broadcasting wave according to the preset information registered into said preset group.

wherein the service information includes a selection button number and the registration means registers names of transmission broadcasting stations and a broadcast target area for these transmission broadcasting stations where the broadcasting stations having the same selection button numbers are associated into a corresponding preset group.

8. (Previously Presented) An audio/video receiving apparatus, comprising:

a tuner for receiving a digital broadcasting signal which includes a digital video signal, a digital audio signal, service information, said service information indicating at least a channel number, a transmission broadcasting station name, and a broadcast target area;

a demultiplexer for separating the audio, video and service information from the broadcasting signals;

an audio decoder to decode audio signals;

a video decoder to decode video signals;

a controller for extracting the service information;

a video control unit which obtains the extracted service information and create one or more tables, where each one of said one or more tables includes all channels associated with a specific area; and

a GUI unit that displays one of said one or more tables based on the current position of the receiver as determined from the received service information.